



QST de W1AW  
ARRL Bulletin 1 ARLB001

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Date: Thu, 6 Jan 1994 14:56:36 GMT  
From: galaxy.ucr.edu!library.ucla.edu!europa.eng.gtefsd.com!  
howland.reston.ans.net!vixen.cso.uiuc.edu!uwm.edu!ginews!don@network.ucsd.edu  
Subject: Clubs and Repeaters  
To: info-hams@ucsd.edu

Our local club, of which I am an officer, wants to install, own, and operate a repeater. The equipment, site, etc. seem to be the easy part (even the coordination :-). My question is this: What organizational structure do other clubs use to operate repeaters?

Not all members of the club are going to participate in the repeater funding or operation so there is likely to be two levels of dues and participation. What kind of legal agreements (if any) are required between the club and the trustee? Are there any legal requirements for the club regarding non-profit status (it will have assets and raise funds to support the repeater)? Should the club incorporate?

Being neophytes at this, I would like to hear what other clubs/organizations have done and how they have structured themselves to deal with this.

Thanks in advance for your constructive comments.

Donald D. Woelz, K9GR	Office Phone: 414-644-8700
GENROCO, Inc.	K9GR @WB9TYT.#MKE.WI.USA.NOAM
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Slinger, WI 53086 U.S.A.	don@genroco.com

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Date: 06 Jan 1994 08:44:41 GMT  
From: korie!sh.wide!wnoc-tyo-news!waseda-mail!wsdnws!wsdnws!63d048@ames.arpa  
Subject: CMOS Super keyer (ARRL Manual)  
To: info-hams@ucsd.edu

In article <757800445snx@bsdihi.atr.bso.nl>,  
dihi@bsdihi.atr.bso.nl (Dick Hissink) wrote:

> I am very enthousiastic about the CMOS Super Keyer II as described  
> on page 29-6 from the 1994 ARRL Manual. Is there a european distributor for  
> the part kit of this keyer?? I tried to figure out the phone number  
> of Idiom Press in Deerfield, but the Dutch PTT could not find the

> company in their phone books. It seems rather risky to me to send  
> USD 50 in an envelope and pray that everything comes right!

I sent cash(US\$) via air mail and got it. It was a few years ago.  
It really works well. Several months later, I tried again for a  
friend of mine. And there was no problem.

--

Hidekazu Noguchi

E-mail:63d048@cfi.waseda.ac.jp

Ham:7K1BWM

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Date: Wed, 05 Jan 1994 23:33

From: sdd.hp.com!nigel.msen.com!usenet.ins.cwru.edu!agate!library.ucla.edu!  
news.mic.ucla.edu!MVS.OAC.UCLA.EDU!CSMSCST@network.ucsd.edu

Subject: EA8FG or EG8CMR address?

To: info-hams@ucsd.edu

Can anyone help me out with an address for EA8FG or EG8CMR? Or  
perhaps the name of a simpatico ham in the Canaries who might be  
willing to forward a card? I need a couple of more cards for  
my RTTY DXCC, and have had no luck with cards/\$ sent via the  
Spanish bureau. Thanks for any leads.

-- 73 de Chris Thomas, AA6SQ (ex-WA6HTJ) (CSMSCST@MVS.OAC.UCLA.EDU)

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Date: Wed, 5 Jan 1994 18:16:08 GMT

From: qualcomm.com!vixen.cso.uiuc.edu!howland.reston.ans.net!news.intercon.com!  
psinnntp!laidbak!tellab5!jwa@network.ucsd.edu

Subject: Hamblaster debut

To: info-hams@ucsd.edu

The Hamblaster Update

The Hamblaster will be introduced at this hamfest.

JANUARY 1994

Jan 30, Sunday: Odeum, Villa Park, IL - Wheaton Commu-  
nity Radio Amateurs hamfest. Odeum Expo Center. 8 AM -  
3 PM. Tickets \$6 advance, \$8 at the door. VEC test-  
ing. All flea market tables reserved. To reserve a  
table, call (708)231-2428.

Over the past several months I posted updates about a DSP "The Hamblaster" that Will Torgrim (N9PEA) and myself are developing.

We are focusing our efforts on a packet modem that allows the user to improve H.F. reception by interfacing the Hamblaster (a PC compatible DSP sound board) to a transceiver and a packet or all mode TNC. Modems/filters for RTTY, Packtor, Amtor are also under development and are compatible with the same control panel software.

Here are the latest developments

- 1) We do Windows! There's a receive/demodulator control panel that allows me to control the FSK demodulator's filter center frequency using a mouse driven sliderbar. There's also an on screen tuning indicator that mirrors the tuning sliderbar. You tune the filter by moving the mouse cursor over the filter tune slide bar button and when you press the left mouse button the slide bar button moves.
- 2) An option allows me to lock the tuning indicator to the "Filter Tune" slide bar. The Hamblaster sends frequency information, that it hears at the output of the first filter, to the PC via the PC's I/O expansion port. Even in noisy conditions it can count the center frequency of an FSK signal. The tuning indicator does jump around in noisy conditions
- 3) A new Windows control panel provides an on screen digital storage oscilloscope. By pressing the "SNAP SHOT" button, you can capture 4 signals and display the traces in a graphics window. The traces can be resized or you can move the window left or right. About 100 ms per trace is acquired. You can select or attach the 4 traces to any of the signals that are displayed on a block diagram in the o-scope control panel. The Hamblaster captures the signals and stores them in its own memory. Then the PC gets the data from the Hamblaster via the PC I/O port and stores it in the PC memory. The software displays the acquisition by getting the data from the PC RAM. The process takes about 2 to 3 seconds (the DOS version takes about 1/2 the time to execute).
- 4) Using Windows multitasking, you can run the Hamblaster software and your favorite a packet program (like PC Packratt). I was even able to run two instances of the same Hamblaster software. Both

control panels displayed the tune bar and responded in real time.  
I also got two o-scope acquisitions.

1-3-94

- 5) We now have FFT analysis software built into the o-scope control panel. When you click on the "Freq" button the audio spectrum is displayed. You can move the mouse cursor over the display and where ever it is positioned, the frequency is displayed in the status window. When you click the mouse the modem filters jump to the frequency. This feature provides a simple tuning aid.

Another button allows you to convert all 4 traces (mentioned in paragraph 3) to spectral displays. You can, for example, analyze the frequency at the input signal, the modem prefilter and the mark filter output. Based on the FFT, a second button allows you to modify the filter tune limits by clicking on min-max limits that you select.

I have to admit, After I debugged the FFT software and I getting the control panel working to my satisfaction, I got hooked on the operation of the Hamblaster system. I spent hours tuning the 40 and 20 meter bands, displaying the FFT and copying CW/RTTY signals through the Hamblaster filters. The FFT really simplifies the tuning process.

Ongoing developments;

- 1 Post detection carrier detect.
- 2 HDL protocol decoding
- 3 Morse code detection/regeneration
- 4 Adaptive voice filter.
- 7 DTMF & PL tone detection.

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Jack Albert	Fellow Radio Hacker
Tele (708) 378-6201	
Tellabs Operations, Inc.	FAX (708) 378-4590
1000 Remington Blvd.	jwa@tellabs.com
Bolingbrook, IL 60440	

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THE BOWTIE FILTER
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Date: 6 Jan 94 04:27:31 GMT  
From: ogicse!emory!europa.eng.gtefsd.com!howland.reston.ans.net!cs.utexas.edu!not-for-mail@network.ucsd.edu  
Subject: Ham club at a University  
To: info-hams@ucsd.edu

> I've started to put together an amateur radio club here at  
> George Mason University. I was wondering if anyone out there had any  
> words of wisdom/expereince in starting such clubs. Please e-mail me to  
> keep the bandwidth usage down.

No words of wisdom re: starting a club - I was lucky enough to join one  
that is over 40 years old. :)

You might be interested in subscribing to HAM-UNIV, tho'. Send a message  
to listserv@njitgw.njit.edu with 'subscribe ham-univ <your name>' in the  
message (geez I hope I got that right :)

See you all in the RTTY Roundup ...

73,  
Peter Laws, N5UWY - V31WY

President,  
Amateur Radio Club,  
University of Arkansas / W5YM

Peter Laws <plaws@comp.uark.edu> | "That's the President of the United States  
n5uwy@ka5bm1.#nwar.ar.usa.noam | you're talking about, pinhead."-VP Al Gore

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Date: 6 Jan 1994 07:33:55 GMT  
From: sdd.hp.com!cs.utexas.edu!howland.reston.ans.net!pipex!uknet!EU.net!sun4n1!  
tuegate.tue.nl!blade.stack.urc.tue.nl!philip@network.ucsd.edu  
Subject: Ham club at a University  
To: info-hams@ucsd.edu

Shawn C. Masters (smasters@fame) wrote:

> I've started to put together an amateur radio club here at  
> George Mason University. I was wondering if anyone out there had any  
> words of wisdom/expereince in starting such clubs. Please e-mail me to  
> keep the bandwidth usage down.

Just go on! I am a member of a club station here on the university, in a matter of fact i am the vice-president of the club. It's very nice to see people that were never interested in the radio hobby, just having fun with packet or so.

Good Luck with your club,  
Philip (PE1PCP)  
and operator on PI5EHV, PI4TUE.

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Date: Wed, 5 Jan 1994 23:32:41 GMT  
From: ucsnews!sol.ctr.columbia.edu!news.unomaha.edu!cwis!pschleck@network.ucsd.edu  
Subject: Has anyone ever suggested an advocacy newsgroup  
To: info-hams@ucsd.edu

In <CJ66rL.CJx@usenet.ucs.indiana.edu> dbasinge@nickel.ucs.indiana.edu (Mike Basinger) writes:

>I have noticed on rec.radio.amateur.misc that there is some people  
>that love argue the about code vs no-code debate over and over. I have  
>also notice that some people are sick of that debate (and other  
>endless debates, like which antenna is best, etc).

>On alot of the other newsgroups sets, they have have an advocacy  
>newsgroup that most the endless agruement goto, leaving the original  
>newsgroup for general info and talk.

>Maybe people should think about rec.radio.amateur.advocacy, and if it  
>is a popular idea, maybe we can put it upto a RFD on news.groups

>just an idea,  
>mike

rec.radio.amateur.policy has served as our de-facto advocacy newsgroup, as most of the advocacy wars seem to revolve around FCC regulations, no-code licenses, content and administration of VE exams, etc. Excerpted from the Guide to the Personal Radio Newsgroups, posted monthly:

"The first reorganization added two groups to the list, one of which is rec.radio.amateur.policy. This group was created as a place for all the discussions that seem to drag on interminably about the many rules, regulations, legalities, and policies that surround amateur radio, both existing and proposed. Recent changes to the Amateur Radio Rules (FCC Part 97) have finally laid to rest the Great Usenet Pizza Autopatch Debate as well as complaints about now-preempted local scanner laws hostile to amateurs, but plenty of discussion about what a bunch of rotten no-goodniks

the local frequency coordinating body is, as well as the neverending no-code debate, may still be found here."

If people aren't using the newsgroup (although many clearly are, if recent traffic on it is any indication), it is for reasons that won't be eliminated by the creation of yet another rec.radio.amateur.\* newsgroup. There was also a recent reorganization of the newsgroups (mid-'93), so people are likely to be burned out on the idea of creating more newsgroups. If you are interested in discussing this further off-line with about two-dozen or so newsgroup veterans and FAQ maintainers, there is an excellent forum for this purpose, namely the rec.radio.amateur.\* Working Group mailing list. If you'd like to subscribe, send E-mail to rra-wg-request@amdahl.com.

--

73, Paul W. Schleck, KD3FU  
pschleck@unomaha.edu

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Date: 06 Jan 1994 06:02:46 GMT  
From: cronkite.cisco.com!pst@ames.arpa  
Subject: looking for ham radio/ares/races clip art  
To: info-hams@ucsd.edu

I'm working on some identification badges for our radio club's emergency services group and I'd like a pointer to any "clip art" that people have done (or found) that might be suitable.

Ideally, something that can be imported into macpaint would be best, but I don't have any problem dealing with file conversions from most of the sane formats out there.

Thanks,

Paul KC6TCN

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Date: 6 Jan 1994 08:41:35 GMT  
From: sdd.hp.com!swrinde!cs.utexas.edu!howland.reston.ans.net!vixen.cso.uiuc.edu!uwm.edu!csd4.csd.uwm.edu!pachner@network.ucsd.edu  
Subject: mods for DJ-560????  
To: info-hams@ucsd.edu

are there any mods for the dj-560 Ht? (like aircraft mods)

thanks



--

Thomas Jay Pachner ==- Music Major, Bassist, Gamer, and Amateur Operator  
University of Wisconsin - Milwaukee - pachner@csd4.csd.uwm.edu  
BARNEY MUST DIE!!!!!!!!!!!!  
Amateur Call Sign: N9UUJ

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Date: Wed, 5 Jan 1994 14:15:52 -0500  
From: elroy.jpl.nasa.gov!swrinde!emory!sol.ctr.columbia.edu!hamblin.math.byu.edu!  
yvax.byu.edu!cunyvml!rohvm1!rohvm1.mah48d@ames.arpa  
Subject: New Year's resolutions :-)  
To: info-hams@ucsd.edu

In article <9401051736.AA13166@opus.xyplex.com>, sas@opus.xyplex.COM (Scott  
Sminkey - Sustaining Eng Group) wrote, in part:

> I resolve to stay out of any debates on ...(Morse code)...  
> and to not take personally anyone else's opinions on these topics...to use the  
> Frequently Asked Questions (FAQ) document...to include my name and email  
> address... never send a "Sorry to waste net bandwidth, but...to spend \$7 for  
> the ARRL Repeater Directory...to make a note of where the Internet on-line  
> callbook servers are.

Wow! If everybody kept resolutions like that, what would we have to read  
on this newsgroup?

> and the most important of all:  
> I resolve to once in a while just ponder the romance of radio, the  
> magic of communicating with a person in a faraway land, and to always  
> remember that above all, amateur radio is FUN!!  
>

Ah, yes. Maybe even spend some time on the air, rather than on the  
Internet.  
;-)

Very 73 and Happy New Year to all...

John Taylor - W3ZID  
rohvm1.mah48d@rohmmaas.com

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Date: 6 Jan 94 17:40:31 GMT  
From: ogicse!uwm.edu!vixen.cso.uiuc.edu!newsrelay.iastate.edu!news.iastate.edu!

news@network.ucsd.edu  
Subject: Peltier Diodes - HELP!!!  
To: info-hams@ucsd.edu

Greetings and Happy New Year!

I am interested in obtaining information about thermoelectric devices called Peltier Diodes (junctions?). My extremely limited understanding of these devices is that at low voltage DC they act as unidirectional heat pumps, and have been used in electric cooler units with suitable heat sinks and "cold" sinks on the heat energy input side. Since I am NOT an electrical engineer (a botanist/professor actually) I'd appreciate any information the engineers among you might have as to how these devices work (practically, not theoretically!), how they are rated, and if possible, how to use them in constructing cooler units. These might be useful for improving efficiency of power supply heat sinks?? but honestly, my ulterior motive is in the construction of a cool-chamber in which to store my homebrew beers!! As a ham with a very small modicum of electronics background (pretty damn small!), I've been asked by some fellow homebrewers to investigate these beasts, and try to prototype some "homebrew" coolers for our homebrews (pretty neat, eh?).

If any of you have information about these Peltier devices, application notes, thermal ratings, recommendations for installation/increasing efficiency, etc. I'd be (actually WE'D be) very appreciative to learn about these, or at least sources where we could get more information. Thanks in advance for your help....

Please e-mail to: s1.rsw@isumvs.iastate.edu

Rob Wallace  
Assistant Profesof of Botany  
Iowa State University

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Date: 6 Jan 1994 08:13:53 -0600  
From: galaxy.ucr.edu!library.ucla.edu!agate!howland.reston.ans.net!  
darwin.sura.net!news-feed-2.peachnet.edu!concert!corpgate!crchh327.bnr.ca!  
crchh549.bnr.ca!not-for-mail@network.ucsd.edu  
Subject: RAMSEY KITS NOT TOO G  
To: info-hams@ucsd.edu

In article <CJ6otv.LEx@tc.fluke.com>, Steve Swift <swifty@tc.fluke.COM> wrote:  
>steven.rosenberg@support.com writes:  
>  
>>As the unproud owner of an non-working Ramsay 40m receiver, I would

>>rather the damn thing worked! It didn't even have so many parts that  
>>Ramsay kits may be cheaper, but since they seldom work, and if they do,  
>>seldom work well -- it's just not worth the trouble.  
>>Steven Rosenberg, KC6FYL

I disagree that the kits are cheaper. I bought a Ramsey SCA decoder for \$25 that did NOT work in kit form. I finally gave up and bought an SCA from another company for \$20 ASSEMBLED TESTED and it WORKS!!!! so much for cheap.

>[lots of stuff deleted]

>

>I purchased a Ramsey Shortwave Receiver kit for my 8 year daughter  
>this Christmas. We haven't built it yet, but studying the schematic  
>shows several fundamental design errors. Clearly their circuits are  
>designed by people who know enough electronics to design "home projects"  
>but not enough to come up with a marketable product. I suspect that  
> Steve Swift, Sr. Staff Engineer

When I llooked at the SCA design they had I found that the frequency response was down 43 DB at 67Khz which is where the SCA info is at. others have found some alternate CAP values to make it work but why should users have to design RAMSEY products for them??

stewart

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Date: Thu, 6 Jan 94 09:12:11 EST  
From: galaxy.ucr.edu!library.ucla.edu!agate!howland.reston.ans.net!  
usenet.ins.cwru.edu!eff!news.kei.com!bloom-beacon.mit.edu!noc.near.net!  
news.delphi.com!usenet@network.ucsd.edu  
Subject: who sells good HT battery replacements?  
To: info-hams@ucsd.edu

Steve,

I have had excellent luck with my two replacement packs for my kenwood. I got them from Periphex, in oxford, connecticut. They had a good price and i cant seem to kill the packs. They make 'em for a wide range of rigs, and imho, they do the job.

hope that you have luck,  
tha phone # ??? look in cq or qst  
they run ads every month.

later de n1qdq

-----  
Date: (null)  
From: (null)  
SB QST ARL ARLB001  
ARLB001 BID reminder

BID reminder

Thanks to all amateurs who faithfully relay W1AW and other  
bulletins.

Amateurs are reminded to maintain the original Bulletin ID number,  
BID, on all bulletins. BID integrity will greatly aid in  
decongesting sometimes overworked HF, VHF and UHF packet networks.

NNNN

/EX

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Date: 6 Jan 1994 16:11:57 GMT  
From: nothing.ucsd.edu!brian@network.ucsd.edu  
To: info-hams@ucsd.edu

References <344.popyack1@erplab.exp.rl.af.mil\_POPMail/PC\_3.2.2>,  
<CItE54.E31@news.iastate.edu>, <1994Jan4.202919.4052@mixcom.mixcom.com>  
Subject : Re: Disability Waivers for CW scam

kevin.jessup@mixcom.mixcom.com (kevin.jessup) writes:  
>What if I'm paralyzed from the neck up?! ;-))

They you'll have no problem with the Morse part of the exam. It doesn't  
require any intelligence.

Pretty soon you'll be able to join the ranks of other Extra Class  
licensees.

- Brian

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Date: Thu, 6 Jan 94 00:55:43 EST  
From: sdd.hp.com!vixen.cso.uiuc.edu!howland.reston.ans.net!noc.near.net!  
news.delphi.com!usenet@network.ucsd.edu  
To: info-hams@ucsd.edu

References <1994Jan4.163149.9186@osuunx.ucc.okstate.edu>,  
<Charles.R.Hohenstein.1-040194162613@mac17.hesburgh.lab.nd.edu>,

<1994Jan5.215327.11173@osuunx.ucc.okstate.edu>  
Subject : Re: WWV Seems to Have a Problem.

Those WWV people are not very friendly. I called them up to be helpful. They were having two problems! On the \$5 dollar Timex I have that I got at a yard sale, I see that WWV is about 5 seconds slow. I also have an S-38 receiver that I payed \$20 for at a swapmeet. And, on that receiver it shows that WWV is about 10 kc off most of the time, that is when they are not drifting  
a!

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Date: Wed, 5 Jan 94 23:28:29 GMT  
From: ncrigw2.ncr.com!ncrhub2!torynews!kevin@uunet.uu.net  
To: info-hams@ucsd.edu

References <CJ2oL1.E1s@cbnewsj.cb.att.com>,  
<1994Jan5.131309.20262@lmpsbbs.comm.mot.com>, <2gf0ot\$16@news.tamu.edu>as.edu  
Subject : Re: TOYOTAS AND MOBILE RIGS

In article <2gf0ot\$16@news.tamu.edu> furuta@cs.tamu.edu (Richard Furuta) writes:  
>  
>I guess I can't quite picture the scenario where an adjacent vehicle  
>could come within eight inches of (in particular) the ECU without  
>there being some other, more pressing, collision-related factors.  
>

It doesn't have to...the eight inches specification relates to the proximity of the (shielded) antenna cable to the ECU. A transmitting antenna could be much further than 8 inches away and still induce large RF currents in the ECU leads. However, with the ECU being located inside the car body, the ECU leads should be shielded against outside sources of EM fields.

--

Kevin Sanders, KN6FQ  
kevin.sanders@torreypinesca.ncr.com  
kevin%beacons@cyber.net

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Try Boatanchors  
For A Real Lift

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End of Info-Hams Digest V94 #6  
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